

CONSULTATIVE SERVICE
PRMC-NRL-10-63 (Rev. 4-55)~~SECRET~~

DATE 5 Oct. '58		SERIAL NUMBER 5430-160:JHT:as	FILE NUMBER
1. INSTRUCTIONS - This form is to be prepared in duplicate and signed by the conferee after each conference between Laboratory personnel and outside persons. Route both copies to Division Head, cognizant Associate Director of Research and Codes 1505 (retains one copy), 4010, 1020, 1530, and to 1523 for file.			
2. CONFERENCE DATA			
(a) DATE OF CONFERENCE 3 Oct. '58	(b) PLACE Pentagon Room 4B512		
(c) NAME(S) OF LABORATORY PERSONNEL James H. Trexler		(d) DIVISION AND CODE NUMBER Radio 5431	
for H.O. Lorenzen who was on travel		Radio 5430	
(e) NAME(S) OF OUTSIDE PERSONS		(f) ACTIVITY REPRESENTED	
(over)			
(g) PURPOSE OF CONFERENCE Sixth and final meeting of the "Working Group to Consider NRL Proposal for an Electronic Intelligence Satellite", "Tattletale".			
(h) TIME CONSUMED IN CONFERENCE 3 hours (probably 15 hours for all 6 meetings)			
(i) HIGHEST CLASSIFICATION OF MATERIAL DISCUSSED OR SHOWN T.S. (Code Word -S-T-A)		(j) NRL PROBLEM NUMBER R06-29	
BRIEF OF RESULTS			

See attached sheet.

HANDLE VIA
BYEMAN
CONTROL SYSTEM ONLY~~SECRET~~

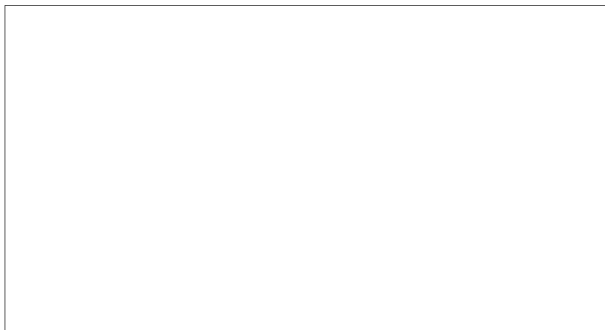
SIGNATURE

James H. Trexler, Code 5431

NAVT-DPPO PRMC, WASH., D.C.

~~SECRET~~

(e) Names of outside persons



CDR. Fred W. Hitz, Jr.



Op 922Y4

Op 91-

Op 91-

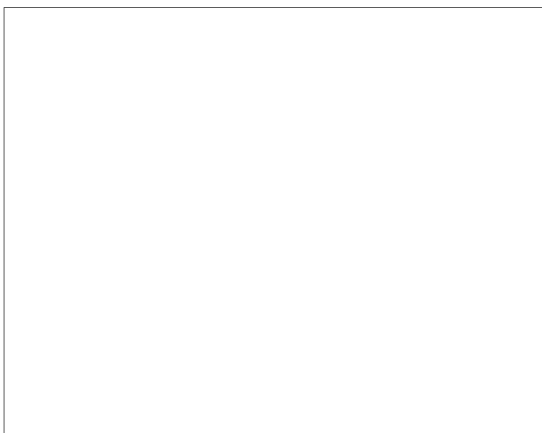
Op 92B3D

Op 92201

Op 30G-

National Technical
Processing Center
(NTPC)

Others who have attended but were not present at this, the final meeting.



Op 30G-

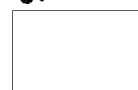
BuAero AV-42121

BuAero AV-42

ONR 905

ONR 931

Op 922Y-

HANDLE VIA
BYEMAN
CONTROL SYSTEM ONLY~~SECRET~~

~~SECRET~~ [REDACTED]

Brief of results

Six formal and several informal meetings of the Working Group were held between 28 July and 3 October. The three members present at all meetings were [REDACTED] and Trexler. The purpose of the meetings was to prepare for Op 923 (RADM L.V. Lowrance) a "staff study" of the desirability of acting on the NRL (Code 5430) proposal for an electronics reconnaissance satellite known as "Tattletale".

It has been determined by the group that if Op 92 wishes to have the project go then Op 92 must sponsor it in ARPA after clearing with Op 91, Op 00, Secretary Norton and Secretary Gates. Because of the poor record of the Navy in the field of satellites (N.O.T.S. and Vanguard) it will be necessary to present a very strong case all the way up the line. In addition to the required approval of ARPA the President must OK each "Tattletale" launching since reconnaissance is an area of great international sensitivity.

The working Group, appreciating the difficulties ahead, made several detailed studies of a background and technical nature. The first study was of the ARPA backed Air Force program WS-117L. This program which has spent \$150 million over many years will have an electronic reconnaissance satellite in orbit by June 1960. The 117L bird will have 2,680 pounds of electronics aboard and should provide a great deal of valuable intelligence. The code word for this project is now "Sentry" with the electronics part known as "Star". At the suggestion of [REDACTED] the operational analysis member of the group, NRL prepared two technical working papers. The first was concerned with the possible deteriorating effects of highly elliptical orbits that might result from less than perfect launching, while the second study was concerned with the details of breaking out the data to provide fixes on discreet targets. Both studies provided optimistic results and were well received by Op 91 and NTPC.

At the final meeting of the Working Group on 3 October the third draft of the report to RADM Lowrance was read and discussed in great detail. Some changes were made and a final copy will be walked around for approval in a few days. The study recommends that Op 92 push the "Tattletale" project and that NRL personnel prepare to get on the road with the required briefings through Navy and ARPA channels.

The Laboratory (code 5430) has given Op 92 certain figures for time and money required to deliver the "Tattletale" birds to the ARPA supplied launching vehicle. To meet the figures of time will require the full support of the Laboratory. BuAero has supplied FY 59 money but ARPA will be asked for FY 60 funds. Details of timing and funding are available from [REDACTED] Mr. R.B. Owens (code 5435).

HANDLED BY [REDACTED]
CONTROL [REDACTED]

~~SECRET~~ [REDACTED]

End